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| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(use as many sheets as necessary) | Application Number     | 09/717,321     |
|   | Filing Date            | 11/20/00       |
|   | First Named Inventor   | Gould Rothberg |
|   | Group Art Unit         | 1636           |
|   | Examiner Name          | LOEB           |
|   | Attorney Docket Number | 15966-601      |

## U.S. PATENT DOCUMENTS

| Exam Initials | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date If Appropriate |
|---------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|----------------------------|
| fmj           | A1       | 5,871,697                | 2/16/99    | EuroGen Corporation Rothberg et al  | —     | —         | 10/24/95                   |

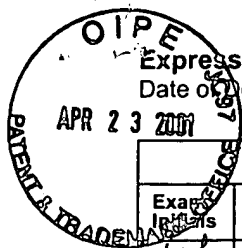
## FOREIGN PATENT DOCUMENTS

| Exam Initials | Cite No. | Foreign Patent Document Office Number | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation Yes No |
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## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Exam Initials | Cite No. | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.  |
|---------------|----------|---|
| fmj           | C1       | Adams, et al., 2000 "The genome sequence of Drosophila melanogaster." <u>Science</u> 287:2185-2195. GenBank Accession Number: Q9VIA2  |
|               | C2       | Ayte, et al., 1990 "Rat mitochondrial and cytosolic 3-hydroxy-3-methylglutaryl-CoA synthases are encoded by two different genes." <u>Proc. Natl. Acad. Sci. U.S.A.</u> 87, 3874-3878. GenBank Accession Number: M33648  |
|               | C3       | Cui, et al., 1983 "Cloning and expression of a novel phosphatidylethanolamine N-methyltransferase. A specific biochemical and cytological marker for a unique membrane fraction in rat liver. <u>J. Biol. Chem.</u> 268 (22), 16655-16663. GenBank Accession Number: L14441 |
|               | C4       | Donaldson, et al., 1993 "Expression of rat liver ketohexokinase in yeast results in fructose Intolerance." <u>Biochem. J.</u> 291, 179-186. GenBank Accession Number: M86235  |
|               | C5       | Dziuda, D. (1990). "Specialized PC software package for creation of computer systems supporting partial diagnostics based on numerical results of medical examinations." <u>Med Inform (Lond)</u> 15 (4): 319-26.   |
|               | C6       | Furuta, et al., 1986 "Complete nucleotide sequence of cDNA and deduced amino acid sequence of rat liver catalase." <u>Proc. Natl. Acad. Sci. U.S.A.</u> 83, 313-317. GenBank Accession Number: M11670   |
|               | C7       | Heikkinen, S., 2000 "Mouse hexokinase II gene: structure, cDNA, promoter analysis, and expression pattern." <u>Mamm. Genome</u> 11 (2): 91-96. GenBank Accession Number: AJ238540   |
|               | C8       | Ishidoh, et al., 1991 "Molecular cloning of cDNA for rat cathepsin C. Cathepsin C, cysteine proteinase with an extremely long propeptide." <u>J. Biol. Chem.</u> 266 (25), 16312-16317. GenBank Accession Number: D90404  |
|               | C9       | Lacson, et al., 1994 "Dideoxy sequencing and structural analysis of the rat insulin-like growth factor binding protein-1 gene." <u>Biochim. Biophys. Acta</u> 1218 (1), 95-98. GenBank Accession Number: L22979   |
|               | C10      | Lafreniere, et al., 1996 "Isolation and characterization of GT335, a novel human gene conserved in Escherichia coli and mapping to 21q22.3." <u>Genomics</u> 38 (3): 264-272. GenBank Accession Number: U53003  |
|               | C11      | Lee, et al., 1998 "Rat Genome Project: Generation of a Rat EST (REST) Catalog & Rat Gene Index." Direct Submission. GenBank Accession Number: AI169175  |
|               | C12      | Lee, et al., 1998 "Rat Genome Project: Generation of a Rat EST (REST) Catalog & Rat Gene Index." Direct Submission. GenBank Accession Number: AA851963  |
|               | C13      | Matos P., 2000 "Small GTPase Rac1: Structure, Localization, and Expression of the Human Gene." <u>Biochem. Biophys. Res. Commun.</u> 277 (3): 741-751. GenBank Accession Number: AJ132695   |

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|-------------------------------------|-------------|--|
| <input checked="" type="checkbox"/> | C14         | Meier, E. 1990 Direct Submission. GenBank Accession Number: <b>X52713</b>  |
| <input checked="" type="checkbox"/> | C15         | Meier, E., 1990 "Activity of rat Mx proteins against a rhabdovirus." <u>J. Virol.</u> 64 (12): 6263-6269. GenBank Accession Number: <b>P18590</b>  |
| <input checked="" type="checkbox"/> | C16         | Nagamine, et al., "Isolation of cDNA for a novel human protein KNP-I that is homologous to the E. coli SCRP-27A protein from the autoimmune polyglandular disease type I (APECED) region of chromosome 21q22.3." <u>Biochem. Biophys. Res. Commun.</u> 225 (2), 608-616. GenBank Accession Number: <b>P30042</b> |
| <input checked="" type="checkbox"/> | C17         | Ohtsuka K., 1999 "Mammalian HSP40/DNAJ homologs: Cloning of novel cDNAs and proposal RT for the classification and nomenclature." Direct Submission. GenBank Accession Number: <b>Q9UBS4</b>   |
| <input checked="" type="checkbox"/> | C18         | Shimkets, R. A., D. G. Lowe, et al. (1999). "Gene expression analysis by transcript profiling coupled to a gene database query." <u>Nat Biotechnol</u> 17 (8): 798-803.  |
| <input checked="" type="checkbox"/> | C19         | Soares, MB, 2000 Direct Submission. GenBank Accession Number: <b>AW435096</b>  |
| <input checked="" type="checkbox"/> | C20         | Sowden, et al. 1997 "Rat betaine-homocysteine methyltransferase (BHMT) mRNA." Direct Submission. GenBank Accession Number: <b>AF038870</b>   |
| <input checked="" type="checkbox"/> | C21         | Watabe, et al., 1994 "Molecular cloning and functions of rat liver hydroxysteroid sulfotransferases catalysing covalent binding of carcinogenic polycyclic arylmethanols to DNA." <u>Chem. Biol. Interact.</u> 92 (1-3), 87-105. GenBank Accession Number: <b>D14989</b>   |
| <input checked="" type="checkbox"/> | C22         | Wilson R., 1994 "RT "2.2 Mb of contiguous nucleotide sequence from chromosome III of C.RT elegans." <u>Nature</u> 368:32-38. GenBank Accession Number: <b>Q19527</b>   |
| <input checked="" type="checkbox"/> | C23         | Zimmermann, R. 1999 Direct Submission. GenBank Accession Number: <b>AJ250137</b>   |

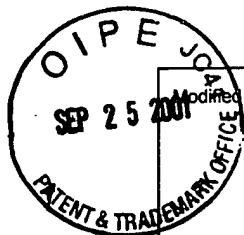
\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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| Examiner<br>Signature |  | Date<br>Considered | 23 Dec. 2002 |
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| First Named Inventor   | Gould-Rothberg        |
| Group Art Unit         | 1643 1636             |
| Examiner Name          | Not Yet Assigned LOEB |
| Attorney Docket Number | 15966-601 (Cura-101)  |

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|------------------|-------------|--|-------------------------------------|------------------------|-----------------------|
| mmf              | B1          | WO 99/39200 A1                           | Thomas Jefferson University         | August 5, 1999         |                       |
| ↓                | B2          | WO 99/27090 A1                           | Smithkline-Beecham Corporation      | June 3, 1999           |                       |
| ↓                | B3          | WO 00/63435 A2                           | CuraGen Corporation                 | October 26, 2000       |                       |

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|------------------|-------------|---|
| mmf              | C24         | Bhattacharjee, A. et al. (1998). <i>Toxicology and Applied Pharmacology</i> 150: 186-195. |
| ↓                | C25         | Bonaldo, M. et al. (1996). <i>Genome Research</i> 6: 791-806.                             |
| ↓                | C26         | International Search Report, August 27, 2001  |
|                  |             |   |
|                  |             |   |

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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